

WHAT IS CLAIMED IS:

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1. A method for reporting events in a wireless intelligent network, said method comprises the steps of:
 - 5 identifying a group associated with a wireless subscriber when an event is detected;
 - determining a directory number associated with the identified group and the detected event; and
 - reporting to the wireless subscriber a message associated with the determined directory number.
2. The method of claim 1, wherein the identifying step comprises the step of:
 - 5 identifying a subscriber group associated with the wireless subscriber when the event is detected.
3. The method of claim 1, wherein the identifying step comprises the step of:
 - 5 identifying the group when the detected event is associated with a call requested by the wireless subscriber.
4. The method of claim 1, wherein the identifying step comprises the step of:
 - 5 identifying the group when the detected event is associated with a call that is requested by the wireless subscriber and that cannot be established in the network.
5. The method of claim 1, wherein the identifying step comprises the step of:
 - 5 retrieving from a subscriber services database in the network a group identifier associated with the calling wireless subscriber.
6. The method of claim 1, wherein the determining step comprises the step of:
 - 5 selecting the directory number from a table that includes one or more predetermined directory numbers indexed by event identifiers and group identifiers.

7. The method of claim 1, wherein the reporting step comprises the step of:
establishing a call from the wireless subscriber to a message node in the network
using the determined directory number.

8. The method of claim 1, wherein the reporting step comprises the step of:
executing the message in a voice format.

9. The method of claim 1, wherein the reporting step comprises the step of:
executing the message in a telecommunications device for deaf (TDD) format.

10. The method of claim 1, wherein the reporting step comprises the step of:
executing the message in a data format.

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11. A method for reporting events associated with calls requested by wireless subscribers in a wireless intelligent network, wherein the wireless subscribers are members of subscriber groups, said method comprises the steps of:
5 associating one or more directory numbers with the events and the subscriber groups;
 storing, in a message node in the network, messages corresponding to the associated directory numbers, respectively; and
 establishing calls to the message node when the network detects the events.

13. The method of claim 11, wherein the storing step comprises the step of:
 B1 storing the messages in a plurality of predetermined formats. /

14. The method of claim 11, wherein the storing step comprises the step of:
 storing the messages in a plurality of predetermined languages. /

15. The method of claim 11, wherein the establishing step comprises the step of:
 establishing the calls to the message node when a location register in the network detects the events.

16. The method of claim 11, wherein the establishing step comprises the step of:
 requesting a route from a location register in the network when one of the wireless subscribers requests a call to another one of the wireless subscribers.

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17. A method for reporting events in a wireless intelligent network comprising a switching node and a message node, said method comprises the steps of:
receiving, at the switching node, a request for establishing a call from a wireline subscriber to a wireless subscriber in the wireless intelligent network;
5 identifying a location register in the wireless intelligent network for routing the call;
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receiving from the identified location register a directory number; and
establishing the call from the wireline subscriber to the message node using the received directory number when an event associated with the call is detected.

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18. The method of claim 17, further comprising the step of:
terminating the call established from the wireline subscriber to the message node when a request for disconnect is received from the wireline subscriber or the message node.

19. The method of claim 17, wherein the receiving step comprises the step of:
receiving the directory number in a call request response generated by the location register.

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20. A method for reporting events in a wireless network comprising a switching node, a location register, and a message node, said method comprises the steps of:

5 receiving, at the location register, a request from the switching node for routing a call from a first subscriber to a second subscriber in the wireless network;

identifying a group associated with the first subscriber when an event associated with the call is detected;

10 selecting a directory number based on the identified group and the detected event; and

sending the selected directory number to the switching node such that the call is established from the first subscriber to the message node.

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b1 21. The method of claim 20, wherein the selecting step comprises the step of:

selecting the directory number from a plurality of predetermined directory numbers that are indexed by event identifiers and group identifiers.

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22.

A wireless switching node, comprising:

a memory including:

5 a structure for identifying a location register in a wireless network when the switching node receives a request for establishing a call from a first subscriber to a second subscriber in the wireless network; and

computer-readable code for establishing the call from the first subscriber to a message node in the wireless network when an event associated with the call is detected; and

a processor for executing the computer-readable code.

23.

The wireless switching node of claim 22, wherein the structure includes a trigger indexed by a variable number of digits in a directory number of the first subscriber.

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24.

The wireless switching node of claim 22, wherein the structure includes a trigger indexed by an area code in a directory number of the first subscriber.

25.

The wireless switching node of claim 22, wherein the structure includes a trigger indexed by an area code and an office code in a directory number of the first subscriber.

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26. A location register, comprising:

a memory including:

a structure for storing predetermined directory numbers associated with events and groups in a wireless intelligent network, wherein the predetermined directory numbers correspond, respectively, to messages stored in a message node in the wireless intelligent network; and

computer-readable code for detecting at least one of the events when one subscriber requests a call to another subscriber and for identifying a group associated with the one subscriber requesting the call and for selecting one of the stored predetermined directory numbers based on the detected event and the identified group; and

a processor for executing the computer-readable code.

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27. A message node, comprising:
a storage module for storing messages associated, respectively, with predetermined directory numbers that correspond to events in a wireless intelligent network and correspond to groups associated with wireless subscribers;
5 a memory including computer-readable code for playing one of the messages when the wireless intelligent network detects at least one of the events and establishes a call to one of the predetermined directory numbers; and
a processor for executing the computer-readable code.

28. The message node of claim 27, wherein the messages are stored in a plurality of formats.

29. The message node of claim 27, wherein at least one of the messages is stored in a voice format.

30. The message node of claim 27, wherein at least one of the messages is stored in a telecommunications for deaf (TDD) format.

31. The message node of claim 27, wherein at least one of the messages is stored in a data format.

32. The message node of claim 27, wherein the messages are stored in a plurality of languages.

EXPRESS MAIL NO. EK673491942US

PATENT
Docket No. 98-004CIP

33. A computer-readable medium capable of configuring a computer to perform a method for reporting events in a wireless intelligent network, said method comprising the steps of:

- receiving a request for establishing a call from a first subscriber to a second subscriber in the wireless intelligent network;
- requesting a route from a location register in the network;
- receiving from the location register a directory number; and
- establishing the call from the first subscriber to a message node in the wireless intelligent network using the received directory number when an event associated with the call is detected.

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34. A computer-readable medium capable of configuring a computer to perform a method for reporting events in a wireless intelligent network, said method comprising the steps of:

receiving a request from a switching node in the wireless intelligent network for routing a call from a first subscriber to a second subscriber in the wireless intelligent network;

5 identifying a group associated with the first subscriber when an event is detected in the wireless intelligent network;

selecting a directory number based on the identified group and the detected event; and

10 sending the selected directory number to the switching node such that the call is established from the first subscriber to a message node in the wireless intelligent network.

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35. A method for reporting events in a wireless network including subscribers, said method comprises the steps of:

identifying groups associated with the subscribers when events are detected in the wireless network; and

5 reporting to the subscribers messages in a plurality of formats based on the identified groups and the detected events, respectively.

36. The method of claim 35, wherein the reporting step comprises the step of:

reporting the messages in a plurality of languages based on the identified groups and the detected events, respectively.

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37. A method for reporting events in a wireless intelligent network, said method comprises the steps of:
identifying a group associated with a wireless subscriber when an event is detected;
determining a directory number associated with the identified group and the
detected event; and
reporting to a subscriber attempting to communicate with the wireless subscriber, a
message associated with the determined directory number.

38. The method of claim 37, wherein the identifying step comprises the step of:
identifying a subscriber group associated with the wireless subscriber when the
event is detected.

39. The method of claim 37, wherein the identifying step comprises the step of:
identifying the group when the detected event is associated with a call requested to
the wireless subscriber.

40. The method of claim 37, wherein the identifying step comprises the step of:
identifying the group when the detected event is associated with a call that is
requested by the subscriber attempting to communicate with the wireless subscriber and that
cannot be established in the wireless intelligent network.

41. The method of claim 40, wherein the identifying step comprises the step of:
retrieving from a subscriber services database in the wireless intelligent network, a
group identifier associated with the wireless subscriber.

42. The method of claim 37, wherein the determining step comprises the step of:
selecting the directory number from a table that includes one or more
predetermined directory numbers indexed by event identifiers and group identifiers.

EXPRESS MAIL NO. EK673491942US

PATENT
Docket No. 98-004CIP

43. The method of claim 37, wherein the reporting step comprises the step of: establishing a call from the wireless subscriber to a message node in the network using the determined directory number.
44. The method of claim 37, wherein the reporting step comprises the step of: executing the message in a voice format.
45. The method of claim 37, wherein the reporting step comprises the step of: executing the message in a telecommunications device for deaf (TDD) format.
46. The method of claim 37, wherein the reporting step comprises the step of: executing the message in a data format.

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